

**REMARKS**

Applicant respectfully requests reconsideration and allowance of the subject application. Claims 1-14 and 32-44 are pending, of which claims 1, 9-14, and 32 have been amended for clarification.

Applicant's amendments and remarks after Final are appropriate under 37 C.F.R. §1.116 because they address the Office's remarks in the Final Action, and thus could not have been presented earlier. In addition, the amendments and remarks should be entered to place the case in better form for appeal.

**Office's Response to Arguments**

In the previous response dated August 2, 2005, Applicant details that the §103 Narisi and/or Background combination does not teach or suggest "a remote data communication interface driver of the host device implemented in the client device", as recited in claim 1. In response, the Office cites to the Detailed Description in the specification at page 14, lines 8-10 and makes a comparison to the Background at page 6, lines 14-15 (*Office Action* pp. 11-12).

With reference to Fig. 5, Applicant describes that a Remote NDIS miniport driver layer (530) of a host computing device (502) is implemented in a client device (504) (instead of in the host computing device) which facilitates a point-to-point communication link (506) between the two devices without having to configure the host computing device with interface components to communicate with the client device. The host computing device can be communicatively linked with any mobile client device without having driver(s) for a particular device installed on the host computing device (*Specification* p.14, lines 8-16; Fig. 5).

1 In the Background with reference to Fig. 4, Applicant describes a  
2 computing device (402) that includes a Remote NDIS miniport driver layer (414),  
3 and the computing device (402) is connected to a remote device (408) via a USB  
4 connection (*Background* p.6, lines 14-15; Fig. 4). The Examiner "interprets the  
5 computing device of Applicant's Background as the client device, and the remote  
6 device of Applicant's Background as the host device" (*Office Action* p.12). This  
7 interpretation is incorrect which leads to an incorrect conclusion that "a remote  
8 data communication interface driver of the host device implemented in the client  
9 device", as recited in claim 1, is described in the Background (*Office Action* p.12).

10 The Office's interpretation that the computing device of the Background is  
11 the client device, and that the remote device of the Background is the host device  
12 in Fig. 4 is incorrect because the Background is described with reference to  
13 Figs. 1-4, each of which include a computing device (e.g., host computing device)  
14 having communication components to communicate with client or remote devices  
15 via a communication link.

16 Fig.1 includes a host computing device (102) for conventional  
17 point-to-point communication with a client device (104) via a serial connection  
18 between serial ports of the two devices (*Background* p.3, lines 15-17). Similarly,  
19 Fig. 2 includes a host computing device (202) for point-to-point communication  
20 with a client device (204) via a point-to-point USB connection (*Background* p.3,  
21 lines 15-17).

22 Fig. 3 includes a computing device (302) having multipoint network data  
23 communication components for communication with network-connected device(s)  
24 via a LAN (310) (*Background* p.4, lines 12-14; p.6, lines 4-5). Fig. 4 includes the  
25

1 computing device (402) having the Remote NDIS miniport driver layer (414) for  
2 communication with remote device (408) via a USB connection (*Background* p.6,  
3 lines 14-15; Fig. 4).

4 Accordingly, and contrary to the Office's interpretation, the computing  
5 device (402) in Fig. 4 is the host computing device and the remote device (408) is  
6 the client device. The Background describes that a host computing device can  
7 include a Remote NDIS miniport driver layer (414). The Detailed Description  
8 then describes the claimed subject matter which includes implementing a host  
9 computing device's Remote NDIS driver layer in an external device (e.g., a client,  
10 a remote device, a portable device, and the like) (*Specification* p.10, line 19 to  
11 p.11, line 7; p.14, lines 8-16).

12 Further, independent claims 1 and 32 are amended to clarify that the client  
13 device is a *remote* client device which includes a host computing device's Remote  
14 NDIS driver layer. For example, Fig. 5 illustrates a host computing device (502)  
15 and a remote client device (504) which includes the Remote NDIS miniport driver  
16 layer (530) of the host computing device (502) (*see Specification* p.14, lines 8-16  
17 for examples of a remote client device). As described, an advantage to having  
18 remote devices implemented with a Remote NDIS miniport driver layer of a host  
19 computing device is that the host computing device does not need to then have the  
20 various and different driver(s) for the remote devices installed, but can still be  
21 communicatively linked with any number of the mobile client devices  
22 (*Specification* p.16, lines 6-12; Fig. 6).

1       **35 U.S.C. §103 Claim Rejections**

2       Claims 1-14 and 32-44 are rejected under 35 U.S.C. §103(a) for  
3       obviousness over the Background of Applicant's Specification (hereinafter,  
4       "Background") in view of U.S. Patent No. 6,233,619 to Narisi et al. (hereinafter,  
5       "Narisi") (*Office Action* p.2). Applicant respectfully traverses the rejection.

6  
7       Claim 1 recites a "data communication system configured to  
8       communicatively link a host device and a remote client device with a  
9       point-to-point data communication link, the host device and the remote client  
10      device each configured for multipoint data communication over a distributed  
11      network, the data communication system comprising a remote data  
12      communication interface driver of the host device implemented in the remote  
13      client device, the remote data communication interface driver configured to  
14      communicatively link with a data communication interface of the host device via  
15      the point-to-point data communication link"

16      Narisi and/or the Background do not teach or suggest "a remote data  
17      communication interface driver of the host device implemented in the remote  
18      client device", as recited in claim 1. Further, Narisi and/or the Background do not  
19      teach or suggest "the remote data communication interface driver configured to  
20      communicatively link with a data communication interface of the host device via  
21      the point-to-point data communication link", as recited in claim 1.

22      As described above with reference to the Office's Response to Arguments,  
23      Applicant's Background Fig. 4 only shows that a host computing device can  
24      include a Remote NDIS miniport driver layer. The remote device in Fig. 4 does  
25

1 not include a remote data communication interface driver of the host device.  
2 Applicant's Fig.5 then illustrates the claimed subject matter which includes "a  
3 remote data communication interface driver of the host device implemented in the  
4 remote client device", as recited in claim 1 (*Specification* p.10, line 19 to p.11,  
5 line 7; p.14, lines 8-16).

6 Narisi does not teach or suggest any such configuration as recited in  
7 claim 1. Contrary to implementing a remote component of a host device in a  
8 remote client device, as recited in claim 1, the Office points out that the use of a  
9 virtual LAN in Narisi allows two devices to use their native mechanism to  
10 communicate with each other (*Office Action* p.3). Applicant's Background with  
11 reference to Fig. 3 essentially describes that a computing device has an NDIS layer  
12 to facilitate communication with network-connected device(s) via a LAN  
13 (*Background* p.4, line 19 to p. 6, line 5).

14 Accordingly, claim 1 is allowable over the Background-Narisi combination  
15 for at least the reasons described above, and Applicant respectfully requests that  
16 the §103 rejection be withdrawn.

17  
18 Claims 2-14 are allowable by virtue of their dependency upon claim 1.  
19 Additionally, some or all of claims 2-14 may be allowable over the  
20 Background-Narisi combination for independent reasons.

21  
22 Claim 32 recites a method for implementing a point-to-point data  
23 communication link between computing devices, the method comprising  
24 "implementing a remote network communication component of a host computing  
25

1 device in a remote client computing device, the remote network communication  
2 component designed for data communication over a distributed network", and  
3 "implementing a connection interface to couple the remote network  
4 communication component with the host computing device".

5 As described above in the response to the rejection of claim 1, Narisi and/or  
6 the Background do not teach or suggest "implementing a remote network  
7 communication component of a host computing device in a remote client  
8 computing device", as recited in claim 32. Further, Narisi does not teach or  
9 suggest any such configuration as recited in claim 32.

10 Accordingly, claim 32 is allowable over the Background-Narisi  
11 combination for at least the reasons described above, and Applicant respectfully  
12 requests that the §103 rejection be withdrawn.

13  
14 Claims 33-44 are allowable by virtue of their dependency upon claim 32.  
15 Additionally, some or all of claims 33-44 may be allowable over the  
16 Background-Narisi combination for independent reasons.

Conclusion

Pending claims 1-14 and 32-44 are in condition for allowance. Applicant respectfully requests reconsideration and issuance of the subject application. If any issues remain that preclude issuance of this application, the Examiner is urged to contact the undersigned attorney before issuing a subsequent Action.

Respectfully Submitted,

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